COMPRO TECHNOLOGY

DATASHEET

IP90

2 Megapixel / HD H.264 / ICR / IR LED / microSD

- Small and smart functional design
- 2 megapixel / HD resolution
- Dual H.264, MPEG-4 or M-JPEG video stream
- True Day/Night functionality with built-in IR-cut filter and IR LED
- Two-way audio with built-in microphone and speaker
- Smart motion and audio detection
- microSDHC slot for storing event snapshots and recordings
- Remote surveillance on mobile phone
- Upgradeable for 802.11 b/g/n wireless LAN with USB wireless adapter

Compro IP90 Day/Night network camera offers clear and sharp video quality in all lighting conditions. IP90 with a slew of professional surveillance features is ideal for deployment in homes, offices, shops, etc.

High Quality Megapixel/HD Image

The 2 megapixel/HD resolution IP90 offers lets you view details and identify people and objects at least three times better than on a conventional CCTV camera. The maximum 1600 by 1200 resolution allows IP90 to capture video from a wide area, effectively reducing the number of cameras required in building a reliable video surveillance network.

Smart Motion and Audio Detection

IP90 can detect motion in its field of view, with configurable detection zones and sensitivity. It also supports full-duplex and bi-directional audio communication through a built-in microphone, speaker and audio in/out port, allowing you to eavesdrop on the monitored area and broadcast your voice to intruders. IP90 is also capable of triggering alarms, door lock or other I/O devices when events are detected.

Easy Wireless Network Installation

802.11 b/g/n wireless LAN is supported with a simple and easy wireless installation process.

True Day & Night Functionality for 24/7 Surveillance

IP90 offers Day/Night functionality with its mechanical IR-cut filter, 6 IR LEDs, and a professional-class ambient light sensor, all aimed at providing crystal clear images round-the-clock. The light sensor detects environmental lighting conditions. When in low-light conditions, the 6 built-in IR LEDs are automatically switched on to provide additional infrared light that help deliver clear night-time image

Total Surveillance Solution for Home and Business

IP90 is bundled with a wealth of applications to provide an intelligent surveillance solution, including iWzard, WebVUer, and ComproView®. iWizard is a smart installer to turn the complicated network camera installation into a simple and fast process. WebVUer is an intuitive IE-based video management software loaded with all the key features for trouble-free remote monitoring. ComproView® is a powerful feature-rich 32-channel professional grade video management software.

REVISED 02DEC11

Camera

Image Sensor	1/3" progressive scan CMOS 2 megapixel
Lens	• Focal Length: 4.0 mm • Max Aperture Ratio: F1.5 • Fixed iris, IR-corrected, adjustable focus
Zoom	10x digital zoom
Angle of View	60° horizontal
Focusing Range	0.5m ~ INF
Minimum Illumination	• IR Mode: 0 lux with built-in IR LEDs on (6 LEDs in total; effective distance up to 8m) • Color Mode: 1.0 lux
Shutter Time	1/5 ~ 1/16000 Sec.

Video

Video Compression	• H.264 (MPEG-4 Part 10) • Motion JPEG • MPEG-4 Part 2
Resolutions	160x120, 320x240, 640x480, 1280x720, 1280x1024, 1600x1200
Frame Rate	• Up to 30 FPS at 1280 x 720 (720P) • Up to 15 FPS at 1600 x 1200 (UXGA)
Video Streaming	Dual video stream
Image Settings	• Adjustable image size and quality • AGC, AWB, AES • Configurable brightness, saturation and sharpness

Audio

Audio Communication	Two-way audio with built-in MIC (S/N ratio 58 dB, 50-10000hz) and speaker (660mv)
Audio compression	G.711 PCM 64Kbit/sec
Audio input / output	MIC input / audio output

Network

Security	User ID / Password protection
Supported Protocols	TCP/IP, HTTP, UDP, FTP, ICMP, ARP, DHCP, NTP, DDNS, DynDNS, UPnP, RTP, RTSP, RTCP, SMTP, IGMP, 3GPP, IPv4

Firmware

Firmware	• Support UPnP • Support online firmware update

Advanced Video Surveillance

ComproView®	• Multi-channel management (32-channels) • Fast and intuitive camera setup • Search and playback recordings by event types • Scheduled and event-based management • Smart motion and audio detection

Web Browser

Internet Explorer (ActiveX)	• Remotely view and configure camera on Internet Explorer • Record video and capture snapshots on PC; download recordings from microSD card • Alarm and event management: FTP, I/O alarm, server notification, SMS/Email alert
Supported Viewing Devices	• PC, laptop, tablet, nettop, MID with IE8 • iPhone/iPad, BlackBerry, Android, WM, PDA, or cell phones with web browser (MJPEG mode)

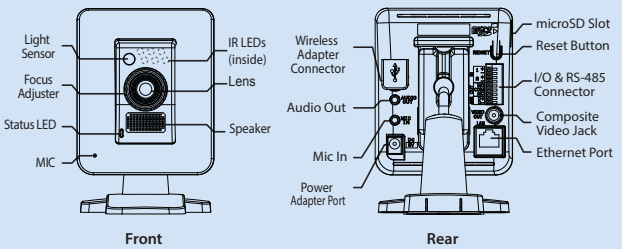
Mobile Surveillance

Smartphone App	View H.264/MPEG-4 video on iPhone/Android phone
MJPEG Mode	View live image on mobile web browser
3GPP Mode	View live video on 3G cell phone (3GPP Streaming)

General

Operating Condition	5 °C ~ 40 °C
Power Supply	DC 5V/2A
System Requirements	• Computer with 1.7GHz processor and 512 MB memory or above • Supported Operating Systems: Windows XP SP3, Vista SP1, Windows 7, Mac OS X 10.6 (viewing only)
Package Contents	• IP90 network camera • Software CD (manual included) • Quick installation guide • Power adapter • Ethernet cable • Screws for ceiling mounting • Screw mount
Dimensions	84 x 124.5 x 91.5 mm (including bracket)

Hardware Overview



Optional Accessory

WL155
802.11 b/g/n Wireless USB Adapter

- Complies with IEEE 802.11n, IEEE 802.11g, and IEEE 802.11b standard
- High data transfer rate – up to 150Mbps
- Supports 64/128-bit WEP, WPA, WPA2 function for high-level security
- Supports USB 2.0/1.1 interface
- Portable and mini-size design

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